

# 811

## No-Skive Suction and Return Line

SAE 100R4



- *No-Skive* hose construction
- Helical wire to prevent collapse under vacuum
- Small bend radii

### Primary Applications

All Markets: General applications

### Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

### Construction

Inner tube: Synthetic rubber  
 Reinforcement: Two fibre spiral, one helical wire  
 Cover: Synthetic rubber, oil and weather resistant

### Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.  
 Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### Fitting Series

up to size -32



For size -40 and -48

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure				
						MPa	psi	MPa	psi			
811-12	19	3/4	-12	19.1	30.0	2.1	300	8.3	1200	85	65	0.63
811-16	25	1	-16	25.4	38.0	1.7	250	6.9	1000	85	75	0.96
811-20	31	1 1/4	-20	31.8	45.0	1.4	200	5.5	800	85	100	1.22
811-24	38	1 1/2	-24	38.1	52.0	1.0	150	4.1	600	85	130	1.55
811-32	51	2	-32	50.8	64.0	0.7	100	2.8	400	85	150	1.87
811-40	63	2 1/2	-40	63.5	75.0	0.4	62	1.6	248	85	180	2.45
811-48	76	3	-48	76.2	90.0	0.4	62	1.6	248	85	230	3.20

\* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa.

\*\* size -12 and size -16 = on Parkrimp 2 crimping press or adjustable crimpers only.  
 The combination of high temperature and high pressure could reduce the hose life.

### Hose layline example

PARKER 811-12 SUCTION HOSE SAE 100R4-12 19 mm (3/4) 3Q81 ————— PARKER 811-12 SUC

# 811S

## No-Skive Suction and Return Line

Exceeds SAE 100R4



- *No-Skive* hose construction
- Helical wire to prevent collapse under vacuum
- Small bend radii
- Isobaric 1.0 MPa for all sizes

### Primary Applications

All Markets: General applications

### Type Approvals

For size -64 and -80, details please find on pages **Ab-16** to **Ab-19**

### Construction

Inner tube: Synthetic rubber  
 Reinforcement: Two fibre spiral, one helical wire  
 Cover: Synthetic rubber  
 oil and weather resistant

### Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### Fitting Series



Part Number	Hose I.D.		Hose O.D. mm ± 1.6	Pressure Rating				min. bend radius mm
	Size	mm		max. working pressure		min. burst pressure		
			MPa	psi	MPa	psi		
811S-40	-40	63.5	75.0	1.0	145	4.0	580	240
811S-48	-48	76.2	90.0	1.0	145	4.0	580	300
811S-56	-56	88.9	106.0	1.0	145	4.0	580	360
811S-64	-64	101.6	116.0	1.0	145	4.0	580	400
811S-80	-80	127.0	142.0	1.0	145	4.0	580	500
811S-96	-96	152.4	172.0	1.0	145	4.0	580	600

The combination of high temperature and high pressure could reduce the hose life.

### Hose layline example

